| Index of Claims                                   | Applic |      | on/Control No. |   | Applicant(s)/Patent und Reexamination TUFTE, BRIAN N. |  |  |  |  |  |
|---|--------|------|----------------|---|---|--|--|--|--|--|
|   | Exami  | iner |                |   | Art Unit  |  |  |  |  |  |
| ✓ Rejected — (Through nume Cancelled ÷ Restricted | ral)   | N    | Non-Elected    | A | Appeal Objected                                       |  |  |  |  |  |

|              |          |          |                    |         |              |          |   |          |           |                |          |          |          |              |               |                 |          | _        |          |          |             |   |           |            |          |                 |          |          |          |                 | _         |          |               |
|--------------|----------|----------|--------------------|---------|--------------|----------|---|----------|-----------|----------------|----------|----------|----------|--------------|---------------|-----------------|----------|----------|----------|----------|-------------|---|-----------|------------|----------|-----------------|----------|----------|----------|-----------------|-----------|----------|---------------|
| CI           | aim      | Date     |                    |         |              |          |   | CI       | aim       |                | Date     |          |          |              |               |                 |          |          |          | aim      | Date        |   |           |            |          |                 |          |          |          |                 |           |          |               |
| Final        | Original | 1/18/06  |                    |         |              | Ī        |   |          |           |                |          | Final    | Original |              |               |                 |          |          |          |          |             |   | Final     | Original   |          |                 |          |          |          |                 |           |          |               |
|              | o<br>O   | +        | 1                  | _       | 1            | 4        |   |          |           | L              |          | <u> </u> | 51       | L            | _             |                 | _        | _        | 4        | 4        |             |   | <u> </u>  | Ō<br>101   |          | $\dashv$        | 4        | 4        | 4        | _               | 4         | $\dashv$ | _             |
|              | 2        | Ť        | ╁                  | ┿       | +            | +        | _ | -        | -         | ┢              | H        | <u> </u> | 52       | ╁            | -             |                 |          | $\dashv$ | $\dashv$ | +        | +           | ┨ | $\vdash$  | 102        | -        | $\dashv$        | ┪        | $\dashv$ | $\dashv$ | $\dashv$        | +         | $\dashv$ |               |
| -            | 3        | Н        | ╁                  | +       | ╁            | +        | - |          | ┢         | $\vdash$       | Н        | <u> </u> | 53       | H            | $\vdash$      |                 | $\neg$   | $\dashv$ | $\dashv$ | +        | +           | 1 |           | 103        |          |                 | 1        | $\dashv$ | ᅥ        | $\dashv$        | 十         | $\dashv$ |               |
|              | 4        | H        | t                  | +       | $^{+}$       | +        |   | _        | 1         | T              | Н        | -        | 54       | T            | $\vdash$      |                 | _        | 7        | 寸        | $\neg$   | 一           | 1 |           | 104        |          |                 | _        | $\dashv$ | 一        | $\dashv$        | 1         | $\neg$   | _             |
|              | 5        | П        | T                  | +       | +            | 1        |   |          | Г         | $\vdash$       | П        | <u> </u> | 55       |              |               |                 | $\neg$   | $\neg$   | $\neg$   | $\neg$   | $\top$      | 1 |           | 105        |          | $\Box$          | $\neg$   | $\neg$   |          |                 | 7         | $\neg$   |               |
|              | 6        | H        | T                  | 7       | +            | 1        |   |          |           | 1              | П        |          | 56       |              |               |                 | $\dashv$ | $\neg$   | $\top$   | $\dashv$ | 1           | 1 |           | 106        |          |                 |          |          |          |                 |           |          |               |
|              | 7        |          | Ι                  |         | I            |          |   |          |           |                |          |          | 57       |              |               |                 |          |          | $\Box$   | $\Box$   |             | ] |           | 107        |          |                 |          | $\Box$   |          |                 | $\Box$    |          |               |
|              | 8        | П        | Γ                  |         | $\perp$      |          |   |          |           |                |          |          | 58       |              |               |                 |          |          | $\Box$   | $\perp$  |             |   |           | 108        |          |                 | _        |          | _        |                 | $\dashv$  |          |               |
|              | 9        | Ц        | ┖                  | _       | $\perp$      | _        |   |          |           | <u> </u>       | Ш        | <u> </u> | 59       | <u> </u>     | _             |                 | $\dashv$ | _        | $\dashv$ | _        | _ _         | 1 |           | 109        |          | $\sqcup$        | _        | _        |          |                 | 4         | _        | _             |
|              | 10       | Ц        | 4                  | 4       | $\downarrow$ | 4        |   | '        | <u> _</u> | ┞              | Ш        |          | 60       | <u> </u>     |               |                 |          | -        | 4        | 4        |             | 4 |           | 110        |          | $\vdash$        | 4        | _        | _        | _               | $\dashv$  | 4        | _             |
|              | 11       | Ц        | +                  | +       | +            | 4        |   | L        | -         | <del> </del> — | H        | -        | 61       | ╀            | -             | $\vdash \vdash$ |          | -        | -        | $\dashv$ | -           | - | <b>  </b> | 111        | $\vdash$ | ⊢┼              | 4        | _        | -        | _               | $\dashv$  | 4        |               |
|              | 0        | Н        | 4                  | +       | +            | +        | _ | <u> </u> | -         | ┼-             | H        | <u> </u> | 62       | ₽            | $\vdash$      | $\vdash \vdash$ |          | -        | $\dashv$ | +        | +           | 1 | $\vdash$  | 112<br>113 | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -               | $\dashv$  | $\dashv$ | _             |
|              | 13       | Н        | +                  | +       | +            | 4        | _ | <u> </u> | -         | +-             | Н        |          | 63<br>64 | ┼            | $\vdash$      | Н               | -        |          | +        | +        | <del></del> | ┨ | $\vdash$  | 114        | $\vdash$ | $\vdash$        | -        | -        | -        | -               | $\dashv$  | $\dashv$ | _             |
|              | (15)     | Н        | +-                 | +       | +            | $\dashv$ | _ | -        | -         | +-             | H        | $\vdash$ | 65       | ╁            | <del> </del>  | Н               | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$    | 1 |           | 115        | -        | $\vdash$        | +        | -        | $\dashv$ | $\dashv$        | $\dashv$  | $\dashv$ | _             |
|              | 16       | Н        | +                  | +       | +            | +        | - | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$ | -        | 66       | $\vdash$     | $\vdash$      | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +           | 1 | $\vdash$  | 116        | $\vdash$ | $\vdash$        | +        | -        | $\dashv$ | -               | $\dashv$  | $\dashv$ | _             |
|              | 17       | Н        | ╫                  | +       | +            | +        |   | $\vdash$ | ┢         | ╁╌             | H        | -        | 67       | +-           | <del> </del>  |                 |          | _        | $\dashv$ | 十        | +           | 1 |           | 117        |          | $\vdash$        | $\dashv$ |          |          |                 | $\dashv$  | $\dashv$ |               |
|              | 13       | Н        | $^{+}$             | +       | $\dagger$    | 7        | _ | $\vdash$ | H         | ┢              | Н        | 1        | 68       | $\vdash$     | ⇈             | Н               |          | $\neg$   | 十        | _        | _           | 1 |           | 118        |          |                 |          | 一        |          |                 | $\neg$    | $\neg$   | _             |
|              | 19       | 1        | †                  | +       | $\dagger$    | 1        |   | -        | T         | 1              | П        |          | 69       | 丅            | 厂             |                 |          |          | T        | 寸        |             | 1 |           | 119        |          |                 | T        | ヿ        | $\neg$   |                 | $\neg$    | $\neg$   | Π             |
|              | 20       | +        | T                  | ╅       | $\dagger$    | 7        |   |          |           |                | П        |          | 70       | T            |               | П               |          |          | 寸        |          |             | 1 |           | 120        |          |                 |          | 一        |          |                 | $\neg$    | $\neg$   | _             |
|              | 21       |          | 1                  | $\top$  | T            | T        | _ |          |           | T              | П        |          | 71       |              |               |                 |          |          |          | $\Box$   |             | ] |           | 121        |          |                 |          |          |          |                 | $\Box$    |          |               |
|              | 22       |          | T                  | Т       | T            |          |   |          |           |                |          |          | 72       |              |               |                 |          |          |          |          |             | ] |           | 122        |          |                 |          |          |          |                 |           |          |               |
|              | 23       |          | Ι                  | $\perp$ |              |          |   |          |           |                | Ш        |          | 73       |              |               |                 |          |          |          |          |             | ] |           | 123        |          |                 | _        | _        | _        |                 | _         | _        | _             |
| <u> </u>     | 24       | 乚        | 1                  | ┸       | $\perp$      |          |   |          | ļ         | <u> </u>       | Ш        |          | 74       | _            | <u> </u>      | Ш               |          |          | _        | 4        |             | 1 |           | 124        |          | Ш               |          | _        | _        |                 | _         | _        | _             |
| <u> </u>     | 25       | _        | 1                  | 1       | 1            | _        |   | _        | <u> </u>  | ╄              | Ш        | <b>—</b> | 75       | 1            | _             |                 |          | _        | _        | $\dashv$ | +           | 4 | $\vdash$  | 125        |          | $\sqcup$        |          | $\dashv$ |          |                 | -         | _        | -             |
|              | 26       | L        | +                  | $\bot$  | +            | 4        |   | <u> </u> | <u> </u>  | ╄              | Ш        |          | 76       | <del> </del> | ⊢             | Щ               | $\dashv$ | _        | _        | 4        | - -         | 4 | <u> </u>  | 126        | $\vdash$ | $\vdash \vdash$ | -        |          |          | $\dashv$        | -         |          |               |
|              | 27       | ┞        | ╀                  | 4-      | +            | 4        | _ | _        | <u> </u>  | ├-             | Н        |          | 77       | -            | -             |                 |          | -        | 4        | $\dashv$ | +           | ┨ | $\vdash$  | 127        | _        | $\vdash$        |          | $\dashv$ | -        | $\dashv$        | $\dashv$  | -        | _             |
| <u> </u>     | 28       | ┝        | ╀                  | +       | +            | -        | _ | _        | ⊢         | ╀              | Н        |          | 78<br>79 | ╀            | ┝             |                 |          | -        | +        | $\dashv$ | +           | - |           | 128<br>129 |          | $\vdash$        | -        |          | -        | -               | -+        | $\dashv$ | _             |
| _            | 29<br>30 | ├        | ╀                  | +       | +            | +        |   |          | ├         | ╁              | ╌        | -        | 80       | ╁╾           | ├             | $\vdash$        | $\dashv$ |          | +        | $\dashv$ | +-          | ┨ | $\vdash$  | 130        | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | -        |                 | $\dashv$  |          | $\overline{}$ |
| _            | 31       | ├        | ╁                  | +       | +            | $\dashv$ |   |          | $\vdash$  | ╁╌             | $\vdash$ |          | 81       | ╁╌           | -             | $\vdash$        | $\dashv$ | -        |          | $\dashv$ |             | 1 | $\vdash$  | 131        |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | 一         | $\dashv$ | _             |
| <del></del>  | 32       | ┢        | +                  | +       | ╁            | ᆉ        |   | _        | ┢         | 1              | H        |          | 82       | ╁┈           | <del> </del>  |                 | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash$    | 1 |           | 132        |          | $\vdash$        | 寸        | _        | $\neg$   |                 | 十         | $\dashv$ | _             |
|              | 33       | H        | +                  | +       | +            | 寸        | _ |          | 1         | T              | H        |          | 83       | T            | T             |                 |          | 寸        | $\dashv$ | _        |             | 1 |           | 133        |          |                 |          | $\neg$   | $\neg$   | $\neg$          | _         | $\neg$   | _             |
|              | 34       | Γ        | 1                  | $\top$  | 1            | $\dashv$ |   |          |           | 1              | П        |          | 84       |              |               |                 |          | 一        | $\Box$   | 丁        |             | 1 |           | 134        |          |                 | ╛        |          |          |                 | $\Box$    |          | _             |
|              | 35       |          | I                  | $\perp$ | I            | 1        | _ |          |           |                |          |          | 85       |              |               |                 |          |          |          | I        |             |   |           | 135        |          |                 | $\Box$   |          |          |                 |           |          | _             |
|              | 36       |          | $oxed{\mathbb{L}}$ | $\perp$ | I            |          |   |          |           |                |          |          | 86       |              |               |                 |          | $\Box$   |          | $\Box$   |             |   |           | 136        |          | Ш               |          | $\Box$   |          |                 | $\Box$    | $\Box$   |               |
|              | 37       |          | Ţ                  | $\Box$  | I            |          |   |          |           | $\Box$         | П        |          | 87       | $\Box$       | $\sqsubseteq$ |                 | $\Box$   | $\Box$   | Į        | $\Box$   | 二二          | 1 |           | 137        |          | П               | _[       | $\Box$   | $\Box$   |                 | $\Box$    | $\Box$   | _             |
|              | 38       | Ĺ        | 1                  | $\perp$ | 1            | _ļ       |   | <u> </u> | <u> </u>  | $\vdash$       | Ц        |          | 88       | ــــ         | <u> </u>      | Щ               |          | _        | _        | 4        | _           | 4 |           | 138        | Ш        | $\sqcup$        | _        | _        |          |                 | _         | $\dashv$ | _             |
| <u> </u>     | 39       | L        | $\perp$            | $\bot$  | 1            | 4        |   | <u> </u> | <u> </u>  | 1              | Н        |          | 89       | ╀            | <u> </u>      | $\vdash$        | _        | _        | -        | $\dashv$ |             | - | <b> </b>  | 139        | Ш        | $\sqcup$        | _        | _        | _        |                 |           | _        | -             |
| <u> </u>     | 40       | L        | +                  | $\perp$ | 1            | _        |   | <u> </u> | ├_        | ↓_             | Н        |          | 90       | ┼-           | ⊢             | Щ               | $\sqcup$ | $\dashv$ | _        | $\dashv$ |             | - | -         | 140        | Ш        | $\vdash \vdash$ | 4        | _        | _        | $\square$       |           | $\dashv$ | _             |
| <u> </u>     | 41       | ⊢        | +                  | +       | +            | 4        |   | ⊢        | $\vdash$  | ┼              | Н        |          | 91<br>92 | ┼            | <del> </del>  | $\vdash$        |          | $\dashv$ | $\dashv$ | +        |             | - | $\vdash$  | 141<br>142 | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | -        |                 | $\dashv$  | $\dashv$ | _             |
| <del> </del> | 42       | ┝        | +                  | +-      | +            | -        |   | -        | ├         | ┼              | H        |          | 93       | $\vdash$     | -             | $\vdash$        |          | -        | $\dashv$ | $\dashv$ | +           | 1 | $\vdash$  | 143        | $\vdash$ | $\vdash \vdash$ | $\dashv$ |          | -        | $\vdash$        | $\dashv$  | $\dashv$ | _             |
| <del> </del> | 44       | $\vdash$ | ╁                  | +       | +            | $\dashv$ | _ | $\vdash$ | ├         | +-             | Н        | $\vdash$ | 94       | +-           | -             | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +           | 1 | $\vdash$  | 144        | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$        | $\dashv$  | $\dashv$ | _             |
| $\vdash$     | 45       | +        | +                  | +       | +            | +        | _ | -        |           | +              | Н        |          | 95       | ╁            | $\vdash$      | $\vdash$        |          | $\dashv$ | -+       | +        | -           | 1 |           | 145        | H        | $\vdash$        | $\dashv$ | $\dashv$ |          | $\vdash \vdash$ | $\dashv$  | -        |               |
| $\vdash$     | 46       | ╁╴       | 十                  | +       | +            | ┪        | _ | _        | $\vdash$  | $\vdash$       | Н        |          | 96       | T            | $\vdash$      | $\vdash$        |          |          | $\dashv$ | $\dashv$ | +           | 1 |           | 146        | $\vdash$ | $\vdash$        | $\dashv$ | $\neg$   | $\dashv$ | $\vdash$        | $\dashv$  | $\dashv$ | Г             |
| <del> </del> | 47       | H        | $\dagger$          | +       | +            | $\dashv$ |   | <u> </u> | T         | $\vdash$       | Н        |          | 97       | +            | $t^-$         | Н               |          | $\dashv$ | _        | $\dashv$ |             | 1 |           | 147        | Н        | $\sqcap$        | $\dashv$ | $\dashv$ |          | $\Box$          | $\dashv$  | $\dashv$ | Г             |
|              | 48       | T        | +                  | $\top$  | $\dagger$    | 7        | _ | $\vdash$ |           |                | П        |          | 98       | 1            |               | П               |          | 一        | $\dashv$ | $\neg$   | $\top$      | 1 |           | 148        | П        | П               | ┪        | 一        | ╗        | $\Box$          | ヿ         | $\dashv$ | Γ             |
|              | 49       | Т        | T                  | $\top$  | 1            | T        | _ | Г        | T         | T              | П        |          | 99       | T            | $\vdash$      |                 |          |          |          | T        | $\neg$      | 1 |           | 149        |          |                 |          |          |          |                 | $\exists$ | $\neg$   |               |
|              | 50       | Γ        | T                  | T       | T            | ٦        |   | Γ        | Π         | Г              | П        |          | 100      |              |               |                 |          | $\neg$   | $\neg$   | $\neg$   |             | ] |           | 150        |          |                 | $\neg$   |          |          |                 |           |          |               |